

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time: February 2, 2005

Site Contact(s): Dyan Foss
Phone: (303) 994-0325

Regulatory Contact: Edd Kray
Phone: (303) 994-3441

Agency: CDPHE

Purpose of Contact: Disposition of Area 4 Survey unit 14

Discussion

In accordance with the 776/777 DOP, Appendix I, the preparation of the facility for demolition is conducted in consultation with the CDPHE and is based on a series of decisions primarily related to maintaining releases to the environment and doses to the workers as low as reasonably achievable (ALARA). This contact record documents the activities that were conducted to prepare Area 4, survey unit 14 for demolition. Survey unit 14 consisted of rooms 125, 130B, 131, and 131A.

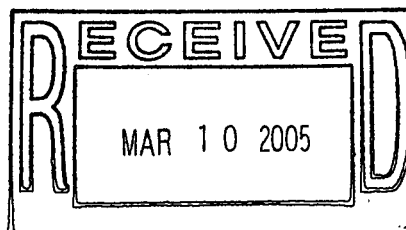
The preparation process for survey unit 14 was initiated September 9, 2004 when a package for in-process radiological surveys was prepared and executed. Once the surveys were complete, the following actions were taken as part of the ALARA-based decontamination effort:

- Concrete shaving, joint removals, and hotspot removals were performed on various floor and wall surfaces.
- Walls/ceiling were decontaminated or removed as necessary

The area was resurveyed in accordance with the Radiological Pre-Demolition Survey Plan for Buildings 776/777. The surveys were provided to the CDPHE project representative, and a walk down of the area was conducted.

In addition to the radiological hazards, the non-radiological hazards have also been addressed in survey unit 14. The following summarizes the non-radiological activities:

- Room 131 provided secondary containment for a mixed residue container storage area, Unit 90.49, located at the east end of the room. This room also provided secondary containment for mixed residue tanks and associated piping. CDPHE approved closure of this area in a contact record dated 1/26/05, contingent on final disposition of the building by removal.
- Chemicals and hazardous substances have been removed.



YN

- Beryllium regulated and controlled areas have been closed. Room 131 was listed on the historical list of rooms due to gloveboxes in the room that were used for beryllium parts. The KH baseline characterization and subsequent survey after equipment removal indicated no removable beryllium contamination in this survey unit. Prior to encapsulation, twenty-four (24) samples were collected from floor to ceiling, all samples were below the reporting limit of 0.1 ug/100 cm².
- Polychlorinated biphenyls (PCB) hazards and equipment have been removed.
- Asbestos has been abated.

Based on the survey results and the principles of ALARA, the risks (industrial and radiological) to the workers are greater than the benefit in source term reduction that would be gained through additional decontamination. The state project representative agrees that decontamination inside Survey unit 14 has progressed to the point of reasonably achievable removal and that the subsequent step of encapsulation is appropriate.

In summary, ALARA-based decontamination has been completed, Survey unit 14 will be encapsulated and surveyed for removable contamination, and controls will be applied during demolition. This contact record will be included in the demolition file to ensure the controls and requirements are included in the demolition work packages for this survey unit.

Contact Record Prepared By: Dyan Foss

Required Distribution:

M. Aguilar, USEPA
 S. Bell, DOE-RFPO
 B. Birk, DOE-RFPO
 C. Deck, K-H Legal
 D. Foss, K-H 707/776/777
 S. Garcia, USEPA
 C. Gilbreath, K-H 771/774
 S. Gunderson, CDPHE
 J. Legare, DOE-RFPO

R. Leitner, K-H 371/374
 J. Mead, K-H ESS
 G. Morgan, DOE-RFPO
 S. Nesta, K-H RISS
 K. North, K-H ESS/MS
 R. Schassburger, DOE-RFPO
 D. Shelton, K-H ESS
 C. Zahm, K-H Legal

Additional Distribution:

Terry Vaughn
 David Del Vecchio
 Carolyn Hicks
 Bruce Wallin
 Victoria Wren

2/2